

National Assessment of Educational Progress (NAEP) - Kentucky

2024 Kentucky NAEP Math Takeaway

In 2024, Kentucky 4th graders scored worse than their 2019 peers on NAEP Math and ranked 25th in the nation. In 2024, all Kentucky 4th grade student groups scored worse on NAEP Math compared with their 2013 peers, notably Hispanic students scored nearly a grade level worse which widened achievement gaps.

In 2024, Kentucky 8th graders scored more than half a grade level worse than their 2019 peers on NAEP Math. In 2024, every Kentucky 8th grade student group scored worse on NAEP Math than in 2013, notably black and Hispanic students scored more than a grade level worse which widened achievement gaps.

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NAEP	Kentucky 2024			Kentucky 2019			Kentucky 2013			Rank Difference 2019-2024	Rank Difference 2013-2024	Scale Score Difference 2019-2024	Scale Score Difference 2013-2024
	Scale Score	Rank	Gap	Scale Score	Rank	Gap	Scale Score	Rank	Gap				
Grade 4 Math Composite	238	25		239	30		241	28		5	3	-1	-4
All Students	238	25		239	30		241	28		5	3	-1	-4
White Students	242	42		242	47		244	46		5	4	0	-2
Black Students	218	19	24	223	24	19	224	25	20	5	6	-5	-6
Hispanic Students	225	20	17	228	25	15	234	20	10	5	0	-2	-9
FRL Students	229	7	22	230	16	22	232	23	19	9	16	-1	-3

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	Scale Score	Rank	Gap	Scale Score	Rank	Gap	Scale Score	Rank	Gap				
Grade 8 Math Composite	271	28		278	36		281	36		8	8	-7	-10
All Students	271	28		278	36		281	36		8	8	-7	-10
White Students	276	43		282	49		283	48		6	5	-5	-7
Black Students	247	28	29	256	26	26	260	28	23	-2	0	-9	-13
Hispanic Students	258	25	19	270	18	12	269	31	14	-7	6	-12	-11
FRL Students	260	17	27	267	26	26	268	33	24	9	16	-7	-8

Notes:

FRL: students receiving free/reduced lunch.

The rank is among the 50 states and DC for All, White, and FRL students. Representative student groups are reported for Black students in 40 states in 2024, 42 in 2019, and 44 in 2013 and Hispanic students in 48 states in 2024 and 2019 and 47 in 2013.

Gap is determined by the following variances in Scale Score: Black and Hispanic students compared to White students; FRL students compared to non-FRL students.

A 10 point difference in scale scores equals approximately one full grade level.

All calculations are performed to the 12th decimal. Rounding all values to the nearest whole number for reporting purposes accounts for the potential differences.



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NAEP	National Public 2024		National Public 2019		National Public 2013		Scale Score Difference 2019-2024	Scale Score Difference 2013-2024
	Scale Score	Gap	Scale Score	Gap	Scale Score	Gap		
Grade 4 Math Composite								
All Students	237		240		241		-3	-4
White Students	247		249		250		-1	-3
Black Students	220	27	224	25	224	25	-4	-5
Hispanic Students	227	20	231	18	230	20	-4	-4
FRL Students	226	25	229	24	230	24	-3	-4

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	Scale Score	Gap	Scale Score	Gap	Scale Score	Gap		
Grade 8 Math Composite								
All Students	272		281		284		-9	-11
White Students	284		291		293		-7	-9
Black Students	251	34	259	32	263	30	-8	-12
Hispanic Students	257	27	268	23	271	22	-11	-14
FRL Students	257	30	266	30	270	27	-9	-12

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